

**CITY OF DANBURY**  
**DEPARTMENT OF PUBLIC WORKS**



**155 DEER HILL AVENUE**  
**DANBURY, CONNECTICUT 06810**  
**(203) 797-4537 FAX (203) 796-1586**

**MAYOR**  
**Honorable Mark D. Boughton**

**PUBLIC WORKS DIRECTOR**  
**Antonio Iadarola, P.E.**

January 30, 2012

Honorable Mayor Mark D. Boughton  
Honorable Members of the Danbury City Council  
155 Deer Hill Avenue  
Danbury, CT 06810

**RE: Monthly report for December 2011**

Dear Mayor Boughton and Members of the City Council:

I am pleased to present the Public Works Department report for the month of December.

In the course of routine City bridge inspections, it was discovered that a section of the center pier and wingwall had collapsed at the Middle River Road Bridge. The entire bridge requires replacement. The existing bridge will be replaced with a box culvert that will be designed by our on-call bridge engineering consultant. The width of the roadway has been reduced to divert traffic/load from the impacted area of the bridge and a five (5) ton maximum weight limit on the bridge has been imposed. An emergency repair/replacement plan will be put in place. The project will be managed in-house by the Construction Services Division.

As the new school enrollment numbers become available in January, I will be working on how school space issues can be resolved. This will entail an extensive study of our current space utilization and future needs. I will be working with the 2020 Task Force, Board of Education and the Mayor's Office on this very important project.

The leaf pick-up program has resumed and all available staff was mobilized to quickly pick up all of the bagged leaves through out the City prior to any more bad weather arriving. This winter has allowed our drainage and construction crews in the Highway Division to continue making repairs.

Should you have any questions regarding any of the separately submitted division reports please call me at 203-797-4537.

**Construction Services report submitted by Thomas H. Hughes III, Superintendent:**

**Backus Avenue Bridge over Miry Brook:** The project is now in the closeout phase with ConnDot.

**B.I. Access Project:** (Earthmovers) We have requested to extend the grant & project with the Department of Economic Development until June 30, 2012. This will allow us to use the remaining funds on a point to point Broadband to fiber optic traffic signal communications system. The additional work to be performed will be at no cost to the City of Danbury and will be fully funded by the State of CT DECD. Construction Services has taken over the project inspection from our consultant VHB. CT DECD approved the change order for this additional work. A change order has been issued to Earth Movers to proceed with this work.

**White Street ARRA Project:** With the remaining balance of our ARRA funding ConnDot has supported a formal request from the City of Danbury to install Dura-Threm crosswalks on White Street. We are in the process of preparing a change order to incorporate this additional work into the contract. This additional work will be at no cost to the City of Danbury. Met with the DOT and are reviewing project records to streamline the closeout phase of this project. Construction Services has administered and inspected the project with a total reimbursement to the City for personnel.

**Tarrywile Park:** The parking lot has been completed, using our in-house resources and City Bid Lists to reduce the cost. Punch list remains and will be completed as weather conditions permit. We are in the process of putting together a budget and bid package to replace the mansion roof. We expect to have the budget ready next month and go to bid in February for spring start. We are also looking into replacing the mansion boiler and converting to a gas boiler with the assistance of Public Buildings Division. This will be paid for by an existing LOCIP Grant at no cost to the City of Danbury.

**Stadley Rough School Roof Project:** The project was awarded to Silktown Roofing. The project is within budget and on time. The project was administered by Construction Service we received the final closeout documents (warranty document). The project is now closed out.

**Danbury High School Synthetic Turf Replacement Edward (Copper) Crotty Stadium:** The project has been completed and the field G Max testing performed. The project was completed on schedule and within budget administered and managed by the Construction Services Division. We walked the field with the designer and contractor this month. There are several minor punch list items that will be completed this spring.

**Head Start:** The demo portion of the project has been bid and awarded. The contractor has mobilized and completed the asbestos's abatement of the existing structure. The building has been demolished and the building debris (concrete, wood & other materials) have been disposed of as per the contract specifications. The backfilling operation has been completed and the contractor is demobilizing. Construction Services managed and administered this phase of the construction. We assisted the Engineering Division with a plan review for the next phase of construction. The next phase of the project is now out to bid.

**DHS ADA Compliance:** An ADA compliance walk through was conducted on December 09, 2011 with the State of Connecticut BSF Dr. Adrian Woods Bureau of Accountability, Compliance and Monitoring. There are several items remaining classroom furniture which BOE will address. Construction Services will address several minor modifications to the Science Laboratories. Dr. Woods commented he was very pleased with the significant progress made by the City of Danbury to come into ADA compliance. Construction Services has met with a laboratory supply contractor a purchase order has been issued for the minor modifications. Construction Services has met with the mechanical contractors and received proposals based on our City on-call contract. The work is scheduled to take place during the spring school vacation. We continue to coordinate resolving the ADA compliance issues remaining with Rich Jalbert B.O.E. Sites and Facilities Coordinator.

**Germantown Road & Hospital Avenue Intersection Improvement:** Construction Services has been working with the Engineering Division to finalize the design details. This work will be performed in house and using our in house resource's City Bid Lists. To significantly reduce the projects cost. We are in the process of procurement for a spring start.

**Middle River Road Bridge:** We met with a contractor from our City Bid List inspected the bridge and developed a preliminary scope of work. We continue to work with the Engineering Division to develop a budget, scope and schedule for replacing the existing structure. The construction will be administrated and inspected by Construction Services we expect a February construction start.

**Engineering report submitted by Farid L. Khouri, P.E., City Engineer:**

**Assessment Projects:**

- Olive Street and Tilden Road Area Sanitary Sewer Extension: Project was awarded to GEG Construction, Inc. Construction is progressing, and project will be completed in Spring 2012.
- Karen Road Sanitary Sewer Extension: City Council voted to "take no action" on project.
- Candlevew Ridge Sanitary Sewer: Preliminary design and cost estimate completed. Mail survey to go out in next couple of months.
- Hawthorne Terrace Water: Waiting on State DPH final approval of contract and Phase III. Phase III was bid out, and bids are being evaluated.
- Ryders Lane and Southern Boulevard Sanitary Sewer Extension: Preliminary design and cost estimate completed. Mail survey to go out in next couple of months.
- Broad Street Sanitary Sewer Extension: Preliminary design and cost estimate completed.

**Traffic:** Review of land-use development plans; handling of public complaints and routine repair and maintenance of traffic control signal devices and pavement markings.

**Staff Engineers:**

- Review various site plans, water and sewer applications, special exception applications, and subdivision applications for land-use approval of on-going development projects throughout the City.
- Field inspection of sanitary sewer, water mains and new roads are performed regularly on various developments.
- Review of drainage problems, including site visits, analysis and design.

**Survey crew:** Verification of R.O.W. on tree issues and locating storm drainage for the entire City using GPS equipment. Preparing surveys for in-house design of City projects.

**Head Start:** Plans and specifications have been completed. Approval of the State Department of Education has been secured. Local reviews of plans and specifications have been approved, and project will bid out in January 2012.

**DHS Windows and Doors:** Plans and specifications have been completed. Approval of the State Department of Education has been secured. Local review has been secured. Project was bid out in December 2011.

Should you have any questions regarding this report or any other issues related to your Engineering Division, please do not hesitate to contact me at (203) 797-4641.

**Highway Division report submitted by Duke Hart, Superintendent of Public Services:**

Due to the unusually warm weather in December, the Highway Division was able to continue to perform additional road work. A new drainage project was completed on Harwood Drive and Miry Brook Road. Portions of Stadley Rough Road, Carriage House Drive, Dana Road and Melrose Avenue were paved by the in-house paving crew. In preparation for winter storms, Old Stadley Rough Road, Capitola Drive and Church Hill Road were graded. The construction crew performed repairs on Eastwood Drive, Jarrod Drive, East Lake Road, Heritage Drive, Chelsea Drive and Richter Drive.

With the assistance of the Parks Maintenance Division, the Fall Leaf Collection Program was resumed on December 12<sup>th</sup>. Numerous sign repairs were performed along with a new sign installation of Chestnut Street Extension. At the end of the month crews, with the assistance of the Parks Maintenance Division, were busy getting City Center areas and the route for the 5K readied for the First Night Danbury festivities.

The garbage truck is out on a daily basis picking up the downtown garbage cans and other debris throughout the City. The recycling truck continues to be a popular stop for many of the residents.

Should you have any questions regarding this report, please feel free to contact me at 203-797-4605.

**Parks Maintenance submitted by Duke Hart, Superintendent of Public Services:**

In the month of December, the crews continued with the clean-up from the October storm in and around the city schools and parks. Crew members were also still working side by side with the Forestry Division with brush removal.

Much to the relief of the residents the leaf pick-up program resumed on December 12<sup>th</sup>. Parks Maintenance personnel assisted the Highway Division preparing the downtown for the First Night Danbury activities and the 5K race. Winter maintenance of the mowing equipment continued through the month.

Should you have any questions regarding this report, please feel free to contact me at 203-796-1558.

### **Forestry Division report submitted by Mark Miller, Foreman, Forestry Department:**

During the month of December, the Forestry Division continued to perform storm related work throughout the city. Hangers were removed on Ohehyahtah Place, Middle River Road, Long Ridge Road, Cedar Crest Road, Main Street, Hospital Avenue, Virginia Avenue and from the courtyard at Pembroke School. Takedowns were completed on Concord Road, Ford Avenue and from the fence line at Broadview Middle School. The crew responded to tree calls on Brushy Hill Road and Jeannette Street.

The crew appreciates the assistance of the Highway Division removing fallen trees from the river on Ford Avenue. Lewis Tree was called in to remove trees on Deer Hill Avenue and Deer Hill Drive.

Should you have any questions regarding this report, please feel free to contact me at 203-797-4609.

### **Public Buildings report submitted by Rick Palanzo, Superintendent of Public Buildings:**

**EECBG Grant:** This grant has been used to upgrade mechanical equipment (HVAC equipment) at the Old Jail, Old Library, Elmwood Hall, Library Tech Center, Highway garage #2 ( boilers or HVAC roof top units); increase operating efficiencies by replacing older electrical motors with new NEMA Premium motors, variable speed drives and updated operating controls at City hall, and the Library; finally this grant has been used to reduce our lighting bill without diminishing the light output of the fixtures ( decorative street lighting, stairwell lighting at the old jail and ambient lighting at Hatters Hall). The final phase of this grant will allow us to further reduce our energy consumption by replacing our current exit signs with high efficiency signs. The final projects are underway and should be completed in the first quarter of 2012.

**Public Works – Highway:** Two major facility projects have been accomplished in this department within the last few months: the EECBG project heating Garage #2: utilizing state of the art Infrared heating technology and the Roof-Top HVAC Project which supplies heating and cooling to the offices, locker and lunch rooms of the Highway Division. This RTU was recycled from another project, and while it is not a state of the art unit in terms of today's energy conservation replaced a much older old unit that we could deem an "energy hog", so efficiencies have been created by the efficient use of resources and careful application of energy efficient technology. I am pleased to report that these replacements are operating well and the facilities are comfortable at a lower cost than last year!

**Forestry & Equipment Maintenance:** Using the same technique described above, antiquated energy wasting devices have been replaced with newer more efficient devices to provide these areas with heating comfort in the colder months. They too are operating effectively, providing the necessary level of comfort and doing so at a lower operating cost.

**City Hall:** One of the last large EECBG projects is the conversion of the pneumatic controls to direct digital controls throughout city hall. About twenty years ago this project started but was never completed due to a number of reasons. With these available funds the city hall building will have many original operating controls replaced by higher efficiency digital controls which will allow us to operate the environmental conditions within the building, efficiently. This project will begin in January 2012 and take a few months to complete.

City Hall Security upgrades which I reported the last two months have been implemented. CL&P will install two additional lights for the South parking lot in late January or early February.

**Old Jail Building:** The Old Jail exterior restoration is now completed. The building should give us many more years of service. The WIC program is operating very effectively in their new home and there is no problem between WIC staff and clients and Seniornet. The only thing that could make this a better facility is more on-site parking.

The LOCIP funded project to replace the 1979 HVAC unit for the large room is well underway and should be completed in January.

**Hatters Park Building:** There is an EECBG project that will be starting in January to upgrade the lighting at Hatters Hall. There are several smaller projects that must be performed to keep this space desirable for citizens to rent. We will attempt to use available funds to get this work done.

**Danbury Public Schools:** This \$11.5 M schools energy conservation project with Honeywell Corporation as the construction manager is well underway. The boiler rooms at Danbury High School, Broadview Middle School and Mill Ridge Intermediate School are receiving complete retrofits. Mill Ridge Primary School, King Street Intermediate and Stadley Rough School are receiving redundant boilers. Park Avenue and Broadview Middle schools are receiving a complete replacement of their steam traps. Danbury High School will also be receiving new wireless digital thermostats and new replacement windows. The window replacement portion of this project will take place next summer (2012). The heating (non-window) portion of this project is 95% complete at this time. Yankee Gas and the City are close to signing an agreement that will bring natural gas to Mill Ridge Intermediate and mill Ridge primary schools. The new burners installed on the new oilers anticipated this event and beginning with the fall of 2012, the school can choose whatever heating fuel source is most advantageous.

The Alternative School on Locust Avenue is currently undergoing a roof and gutter redesign that includes the decorative coping. The historical structure is receiving an in-depth evaluation and design proposal to repair the source of water infiltration and keep the facility functional for years to come. Being an historical structure we are required to follow protocols that will maintain its appearance. There is no quick or easy fix. Our goal is to begin needed repairs when school closes for the summer.

**Requests for Maintenance and Repairs:** Attached please find the statistical analysis for repairs and maintenance work that the Public Buildings Mechanics engaged in during the month of December 2011. In the month of December we received 230 new work requests and completed 211 work requests. In reviewing this report, you will find the repair time that was expended in major work categories, (current month versus previous month). Also listed is the total number of work order hours completed, (current month versus the previous month).

Public Building mechanics were engaged in plumbing repairs with a total of 269.25 man-hours dedicated to this service. The next largest area of concentration was in Electrical repair work, utilizing 153.00 man-hours of labor. General Maintenance came in as the third highest category with 72.00 man-hours.

Should you have any questions regarding this report, please do not hesitate to contact me at 797-4584. I am happy to discuss any portion of this report with you.

**Public Utilities report submitted by David Day, Superintendent of Public Utilities:**

Enclosed is the monthly report to the Common Council for activities that took place in December 2011. Also attached is the Public Utilities Vehicle Maintenance Report.

As of January 18, 2012 there are 114 hydrants out of service. Repairs to hydrants are continuing. I will be happy to review the information with you.

Sincerely,

*Antonio Iadarola, P.E.*

Antonio Iadarola, P.E.  
Director of Public Works

# APPENDIX "A"

## PUBLIC BUILDINGS

City of Danbury  
Monthly Report December 2011

	Labor Hours	Total Hours This Month	Total Hours Last Month	Difference	Percent Change
Carpentry		2.00	5.50	-3.50	-175.00
City Bldgs	2.00				
Schools	0.00				
Electrical		153.00	65.00	88.00	57.52
City Bldgs	89.50				
Schools	63.50				
Alarms		0.00	0.00	0.00	0.00
City Bldgs	0.00				
Schools	0.00				
HVAC		16.50	65.50	-49.00	-296.97
City Bldgs	1.00				
Schools	15.50				
Locksmith		5.00	5.00	0.00	0.00
City Bldgs	5.00				
Schools	0.00				
Maintenance		72.00	28.00	44.00	61.11
City Bldgs	14.00				
Schools	58.00				
Mechanical		15.50	39.50	-24.00	-154.84
City Bldgs	4.50				
Schools	11.00				
Plowing		0.00	0.50	-0.50	0.00
City Bldgs	0.00				
Schools	0.00				
Plumbing		<u>269.25</u>	<u>153.75</u>	115.50	42.90
City Bldgs	63.00				
Schools	206.25				
New Work Requests received this month				230	
Work Requests Completed this month				211	

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# MEMORANDUM

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**DATE:** January 9, 2012  
**TO:** City of Danbury, Common Council  
**FROM:** *David M. Day, P.E.*, Superintendent – December 2011  
**RE:** Sanitary Sewer Collection System Maintenance

Complaints: 14

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Number Received: 14

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Number Completed: 14

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Pipe Cleaned: 1,200 FT

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Gallons of Water Used: 10,000

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Pipe Inspected:

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COMMENTS:



**To:** David Day, P.E., Supt. of Public Utilities, City of Danbury

**From:** Walter Royals, Project Manager **Walter Royals**

**Subject:** WPCP Report For Month of: Dec '11

**Date:** 01/09/12

**I. Wastewater Treatment:**

A)	Sewage Processed:	11.2	MGD (Daily Avg)	348.2	Million Gallons Total
B)	Septic Waste Processed:			1,015,980	Gallons Total
C)	Sludge Pumped To Digesters:			314,460	Pounds Total

**II. Wastewater Quality**

		Influent	Effluent	% Removal	Effluent Limit
A)	BOD (mg/l)	208	9	95	30 mg/l and 85%
B)	Total Suspended Solids (mg/l):	233	6	97.2	30 mg/l and 85%
C)	Total Phosphorus (mg/l):	5.7	1.9	67	1.0 mg/l
D)	Ammonia (mg/l):	20.0	0.39	98	4.0 mg/l
E)	Total Nitrogen (lbs/Day):	2,757	461	83	486 lbs/day

Note: Phosphorus limits apply May - September.

Nitrogen limit for credit trading only.

**III. Pump Station Operation:**

A)	Beaver Brook:	747.8	Hours Run
B)	Southfield:	38.9	Hours Run
C)	Mill Plain:	635.3	Hours Run
D)	Backus:	291.0	Hours Run
E)	Tarrywile	131.1	Hours Run
F)	Turner Road:	69.1	Hours Run
G)	Ford Avenue:	28.6	Hours Run
H)	Indian Glen:	118.6	Hours Run
I)	Delay Street:	114.0	Hours Run
J)	Hayestown Road:	66.5	Hours Run
K)	Kenosia Avenue:	3.0	Hours Run
L)	Larson Drive:	62.5	Hours Run
M)	Landfill:	212.9	Hours Run
N)	Thrope Street	21.8	Hours Run
O)	Poets Landing	12.9	Hours Run
P)	Rogers Park	21.0	Hours Run

Total Station Alarms:

3

**MAINTENANCE REPORT - BUILDING # 6 - POLICE**  
**12/1/2011**

12/1/2011	157DA	POLICE	HEATER CONTROL MODULE SERVICE
	265DA	POLICE	SERVICE BRAKES
12/2/2011	243DA	POLICE	NO BRAKES
	265DA	POLICE	SERVICE BRAKES
12/5/2011	DET	POLICE	TIRES SERVICE
	265DA	POLICE	SERVICE BRAKES
12/6/2011	243DA	POLICE	BRAKES
	9DA	POLICE	OVERHEATING
12/7/2011	9DA	POLICE	OVERHEATING
	243DA	POLICE	BRAKES
12/8/2011	243DA	POLICE	BRAKES
	9DA	POLICE	OVERHEATING
12/9/2011	3DA	POLICE	SERVICE BRAKES
	192DA	AIRPORT	SERVICE BRAKES TIRES
	177DA	POOL	BRAKE LINE NO HEAT SERVICE
12/12/2011	177DA	POOL	WATER PUMP BRAKES SERVICE
	3DA	POLICE	SERVICE BRAKES
	354DA	POLICE	NO HEAT
12/13/2011	3DA	POLICE	ABS CONTROL MODULE
	243DA	POLICE	BRAKE LINES
	177DA	POOL	WATER PUMP BRAKES SERVICE
	285DA	AIRPORT	TIRES
12/14/2011	164DA	ENG	BRAKE NOISE LIGHTS
	3DA	POLICE	ABS CONTROL MODULE
	246DA	POLICE	ABS CONTROL MODULE
12/15/2011	280DA	POLICE	WIPER MOTOR
	3DA	POLICE	POWER STEERING PUMP
12/16/2011	14DA	POLICE	SERVICE BRAKES
12/19/2011	13DA	POLICE	BRAKES SERVICE
	334DA	POLICE	NOISE
12/20/2011	181DA	POLICE	ELECTRICAL
	13DA	POLICE	BRAKES SERVICE
12/21/2011	DET	POLICE	TRANNY LEAK
	13DA	POLICE	ELECTRICAL
12/22/2011	DET	POLICE	BRAKES SERVICE
	13DA	POLICE	ELECTRICAL
12/23/2011	DET	POLICE	SERVICE
	DET	POLICE	SERVICE

12/27/2011	2DA	POLICE	RUNS POOR
	332DA	POLICE	SERVICE
12/28/2011	270DA	POLICE	SERVICE
	2DA	POLICE	RUNS POOR
12/29/2011	16DA	TRAFFIC	DOOR HANDLE
	270DA	POLICE	BRAKES SERVICE
	1DA	MAYOR	TRANNNY PROBLEM
12/30/2011	1DA	MAYOR	TRANNNY PROBLEM
	6DA	POLICE	FRONT END
	341DA	POOL	ALTERNATOR

### MAINTENANCE REPORT - BUILDING # 6 - WATER 12/1/2011

12/1/2011	224DA	WATER	WATER PUMP BRAKES SERVICE
	MOWER	WATER	TIRE HYD LEAK
12/2/2011	324DA	WATER	WATER PUMP BRAKES SERVICE
12/5/2011	324DA	WATER	WATER PUMP BRAKES SERVICE
	RV	WATER	TIRES
12/6/2011	RV	WATER	TIRES
12/7/2011	RV	WATER	TIRES
12/8/2011	RV	WATER	MIRRIORS
	224DA	WATER	TIRE &RIM
12/9/2011	RV	WATER	SERVICE
12/15/2011	107DA	WATER	BRAKE LINE SERVICE BRAKES
12/16/2011	159DA	WATER	GAS TANK FILLER
12/19/2011	369DA	WATER	REPLACE REAR GATE
12/20/2011	369DA	WATER	SERVICE BRAKES EBRAKE SHOES SWAY BAR LINKS
12/21/2011	369DA	WATER	REAR BRAKES
12/22/2011	369DA	WATER	ELECTRICAL
12/23/2011	107DA	WATER	BRAKE LIGHTS
12/27/2011	107DA	WATER	BRAKE LIGHTS
12/28/2011	107DA	WATER	BRAKE LIGHTS

TO : City Council - City of Danbury

FROM : David Day, Superintendent of Public Utilities

DATE : January 18, 2011

RE : WATER DEPARTMENT REPORT: DECEMBER 2011

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#### I. WATER PRODUCTION :

A) Margerie Water Treatment Facility :	<u>75.0</u>	<u>MG.</u>
B) West Lake Water Treatment Facility :	<u>93.3</u>	<u>MG.</u>
C) Kenosia Well Field :	<u>0</u>	<u>MG.</u>
D) Osborne Street Well Field :	<u>0</u>	<u>MG.</u>
E) Other :	<u>0</u>	<u>MG.</u>

( MG. = Million Gallons )

#### II. RAINFALL :

A) Month :	<u>5.2</u>	<u>inches</u>
B) Past 12 Months (running total) :	<u>73.8</u>	<u>inches</u>
C) Current Year (Jan.- Current Mo.) :	<u>73.8</u>	<u>inches</u>

#### III. WATER STORAGE :

	date:	12/1/11		
		<u>Current Reading</u>		<u>Historical Average</u>
A) East Lake Reservoir :		<u>100.0</u>	%	<u>81.8</u> %
B) Margerie Lake Reservoir :		<u>100.0</u>	%	<u>82.2</u> %
C) West Lake Reservoir :		<u>100.0</u>	%	<u>81.2</u> %
D) Total :		<u>100.0</u>	%	<u>81.7</u> %

#### IV. WATER PUMPED :

A) Park Avenue Pump Station :	<u>0</u>	<u>MG.</u>
B) Padanaram(High School) Pump Station :	<u>4.53</u>	<u>MG.</u>
C) Shelter Rock Pump Station :	<u>3.00</u>	<u>MG.</u>

D) WestConn Pump Station :	1.20	MG.
E) Margerie Pump Station :	2.85	MG.
F) Pleasant Acres:	1.73	MG.
G) Nabby Road:	1.24	MG.
H) Harvest Hill:	1.89	MG.
I) West Lake High Service :	47.9	MG.
J) Total Water Pumped (A-I) :	64.3	MG.
( MG. = Million Gallons )		

#### V. WATER TRANSFERRED :

A) East Lake to Margerie Reservoir :	0.0	MG.
B) Padanaram to Margerie Reservoir :	0.0	MG.
C) Kohanza to West Lake Reservoir :	0.0	MG.
D) Kenosia Diversion to West Lake Reservoir :	0.0	MG.
E) Kenosia Wells to West Lake Reservoir :	0.0	MG.
F) Total Water Transferred (A-E):	0.0	MG.
( MG. = Million Gallons )		

#### VI. ALGAE CONTROL :

A) NONE	
B)	
C)	
D)	

#### VII. SURVEY OF WATER SOURCES :

A)	Disinfection by-products (Trihalomethane (THMs) and Haloacetic acid (HAAs))
	testing of distribution system.
B)	

#### VIII. SUPERINTENDENTS NOTES :

## EQUIPMENT MAINTENANCE

Date	Vehicle	Repair Provided	Department
12/1/2011	33	Front cans / slacks	Highway
	20	Starter / body pins	Highway
12/2/2011	33	Front cans / slacks	Highway
	20	Body pins	Highway
	83	Cable wrapped around broom	Highway
	road saw	Weight assembly	Highway
	48	Radiator	Highway
	67	Cooling system	Highway
	20	Rear shaft and gears	Highway
	83	Conveyor chain	Highway
12/5/2011	83	Adj conveyor	Highway
	67	Check cooling	Highway
	30	Hyd leak / Fuel tank	Highway
	road saw	Adjust drive wheels	Highway
	16	Muffler	Highway
	29	Turbo oil lines / lights	Highway
12/6/2011	30	Fuel tank	Highway
	29	Lights	Highway
	Crown Vic	Wipers	Highway
12/7/2011	8	Exhaust	Highway
	8	Engine light	Highway
	29	Lights	Highway
	83	Adj conveyor	Highway
	7	Install sander / adj brakes	Highway
	85	Install sander	Highway
	12	Lights	Highway
	32	Wipers / mud flap	Highway
12/8/2011	8	Engine light	Highway
	12	Lights	Highway
	11	Heater contro; amd m&r	Highway
	48 DA	Door latch	Highway
	328 DA	Check fluids	Highway
12/9/2011	11	Rear tires	Highway
	8	Swap clusters w/19	Highway
	31	Lights / mud flap	Highway
	65 DA	Lights	Forestry

	29	Oil lines turbo	Highway
	10	Plow cable stuck	Highway
	44	P/S box	Highway
	8	Swap clusters w/87	Highway
	10	Plow cable	Highway
	67	Service	Highway
12/12/2011	10	Value	Highway
	44	Stv box	Highway
	Paver	RC Harwood / No start	Highway
	212 DA	Water system frozen	Highway
	4	Brake lights	Highway
	8	Coolant light	Highway
	106 DA	Service	Highway
12/13/2011	106 DA	Water pump	Highway
	29	Trans leak	Highway
	180	Won't build air	Highway
	8	Trans output seal	Highway
	181	Adj brakes	Highway
	Hot Box	Make bracket for pail	Highway
12/14/2011	349 DA	Service AC belt	Highway
	44	St box	Highway
	31	Battery cable	Highway
	Leaf machine	Clogged	Highway
	4	Sander chute bolt	Highway
	29	Trans leak	Highway
12/15/2011	8	Trans leak	Highway
	29	Trans leak	Highway
	46	Lights	Highway
	33	Hyd leak	Highway
	4	Windshield	J N Phillips
	34	Windshield	J N Phillips
	214 DA	Service rear brakes	Building Maintenance
	24	Strobes	Highway
12/16/2011	4	Install sander	Highway
	23	Lights	Highway
	83	Side brooms	Highway
	16	Adj brakes	Highway
	8	PTO plate / bolt broke	Highway
	18	Body bent / adj brakes	Highway
	87	Hyd hoses	Highway
	187 DA	Service / engine light	Parks
	14	Service / repair list	Highway

12/19/2011	82	LF king pins	Highway
	14	Service / lights / mirrors	Highway
	325 DA	Brakelines	Health
	40	Jump start	Highway
12/20/2011	82	Front end	Highway
	325 DA	Brakelines	Health
	29	Body does not work	Highway
	172 DA	No start	Parks
12/21/2011	86	Auger	Highway
	172 DA	Check charging system	Parks
	82	Install drive shaft	Highway
	15	Install sander	Highway
	6	Install sander	Highway
12/22/2011	86	PTO	Highway
	181	Adj brakes	Highway
	29	Install sander	Highway
	10	Valve body rebuild	Highway
	3	Install sander	Highway
12/23/2011	3	Install sander / lights	Highway
	10	Rebuild valve body	Highway
	11	Brake cans	Highway
12/27/2011	11	On-spots	Highway
	46	Sander/reprogram service remote	Highway
	40	Jump start	Highway
	181	Hydraulic leak	Highway
	325 DA	Brakes	Health
	28	Horns / lights	Highway
12/28/2011	27	Mirror bracket	Highway
	32	Ch light lens	Highway
	325 DA	Brake /lines /parking	Health
	28	Lights	Highway
	12	w/s wipers	Highway
	4	Check sander chains	Highway
	31	Tighten sander chains	Highway
		Exhaust brake/ sander chain/mud flap	Highway
	3		Highway
	172 DA	Wipers	Parks
12/29/2011	82	Kin pins l/s	Highway
	325 DA	Brake lines	Health
	10	Control cables	Highway
	8	Spinner mtr / rear tires	Highway
12/30/2011	10	Control / cables	Highway
	9	Jump start / lights	Highway

compressor Flat tire

Highway